

SWP Water Quality Summary

September 10 to September 17, 2008

Electrical Conductivity: EC decreased at Banks Pumping Plant (BPP), and Barker Slough, but increased at Check 29 and Vallecitos, from September 10 to September 17, 2008. Concentrations ranged from 143 mg/L to 325 mg/L (240 μ S/cm to 574 μ S/cm), but remained below the Article 19 Monthly Average Objective of 440 mg/L (733 μ S/cm). Daily average concentrations varied at all the locations. As of September 17, 2008, the lowest and highest concentrations of 143 mg/L (240 μ S/cm) and 321 mg/L (568 μ S/cm) occurred at Barker Slough and BPP, respectively. Concentrations decreased this week at BPP from 325 mg/L to 321 mg/L (574 μ S/cm to 568 μ S/cm).

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations and ranged from 0.07 mg/L to 0.30 mg/L. As of September 17, Barker Slough had the lowest concentration of 0.07 mg/L, followed by Check 29 with 0.11 mg/L while the highest concentration of 0.29 mg/L occurred at BPP and Vallecitos. Concentration at BPP decreased from 0.30 to 0.29 mg/L as of this week.

Turbidity: Turbidity levels decreased at BPP and Barker Slough and remained unchanged at Check 29 and Devil Canyon. Turbidity levels ranged from 1 NTU to 67 NTU as of September 17, 2008. The lowest level of 1 NTU occurred at Check 29 while the highest level of 67 NTU occurred at Barker Slough on September 17, 2008. BPP mean daily turbidity levels decreased slightly to 6 NTU as of September 17, 2008.

Dissolved Organic Carbon (DOC): Concentrations decreased at Check 13 from 2.2 mg/L to 2.0 mg/L as of September 17, 2008. DOC daily average concentration at Edmonston remained at 2.2 mg/L as of September 17, 2008. There is no data for BPP because of a malfunctioning UVA instrument.

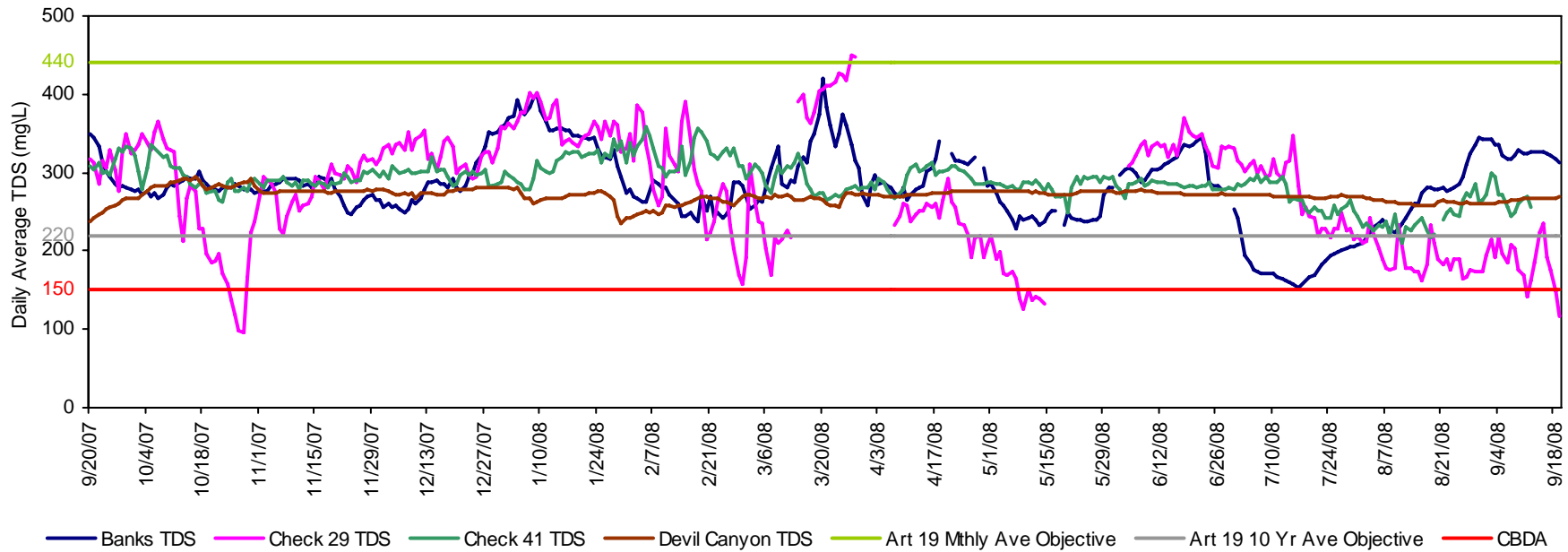
Taste and Odor Compounds: MIB and geosmin remain low project-wide, ranging from non-detect to 10 ng/L at Clifton Court, BPP, Del Valle Check 7, and O'Neill Forebay Outlet and Castaic Lake. The only exception was at Check 66 where MIB concentrations was 32 ng/L as of September 15, 2008.

- There is no data for Check 41 because work is in progress to fix the malfunctioning instruments.

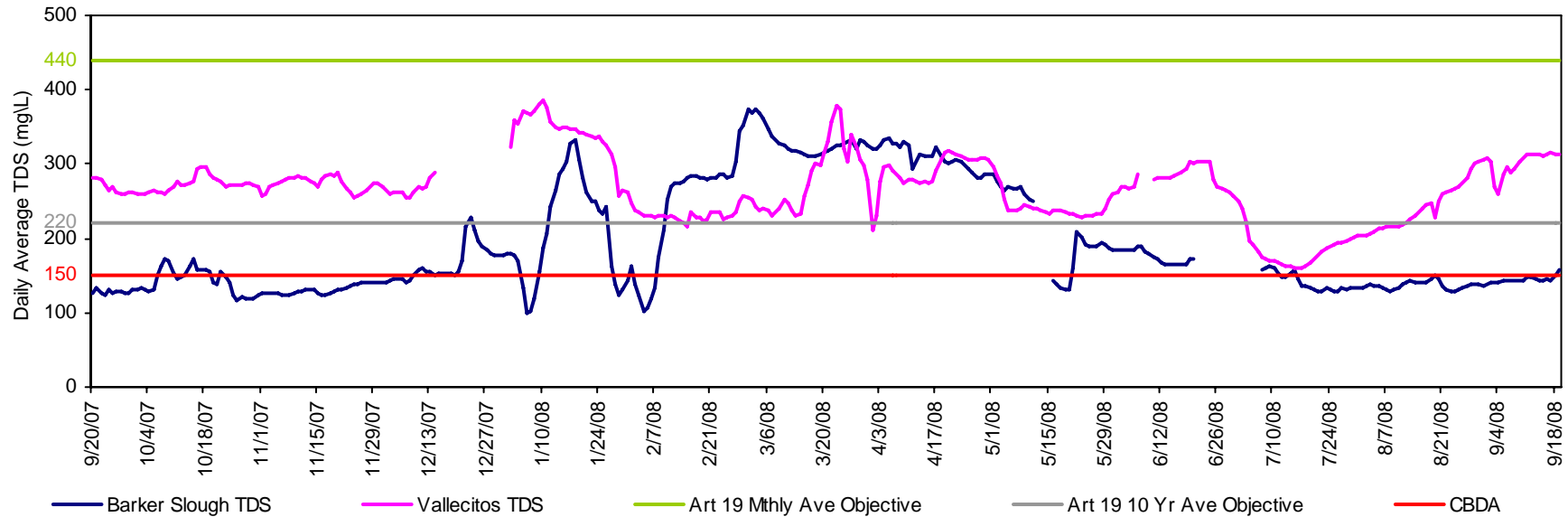
Note:

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit: <http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

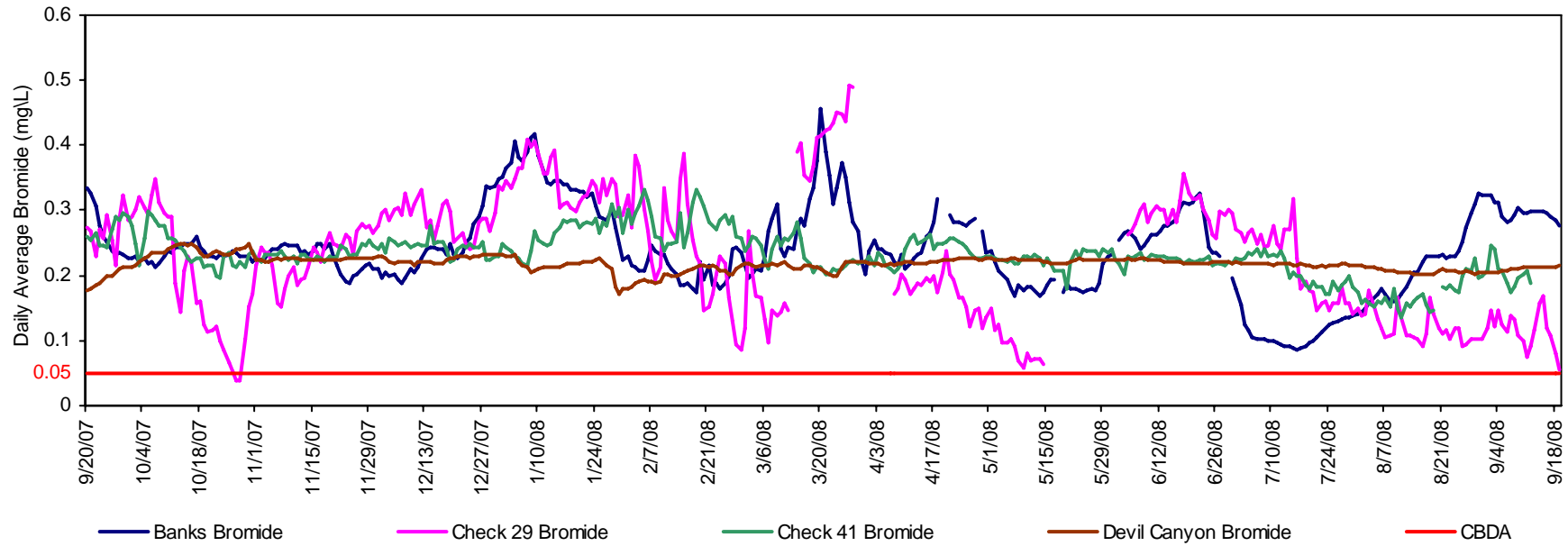
California Aqueduct - Calculated Total Dissolved Solids



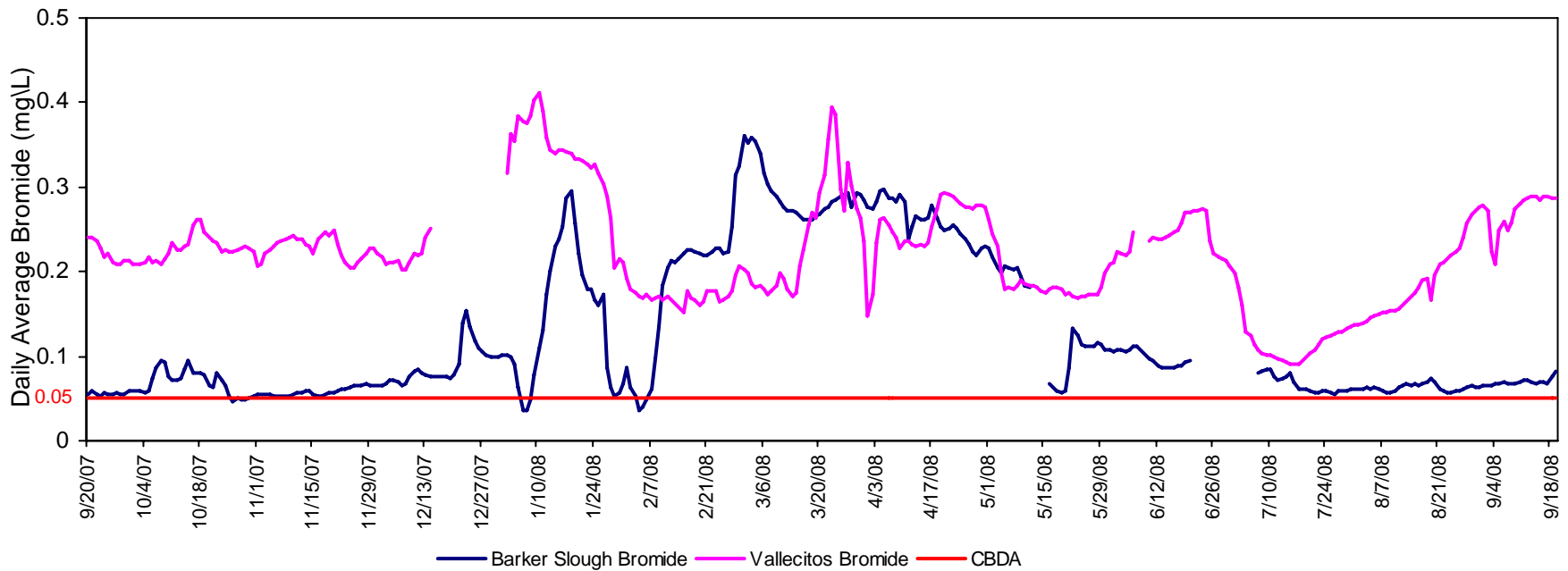
North and South Bay Aqueduct - Calculated Total Dissolved Solids



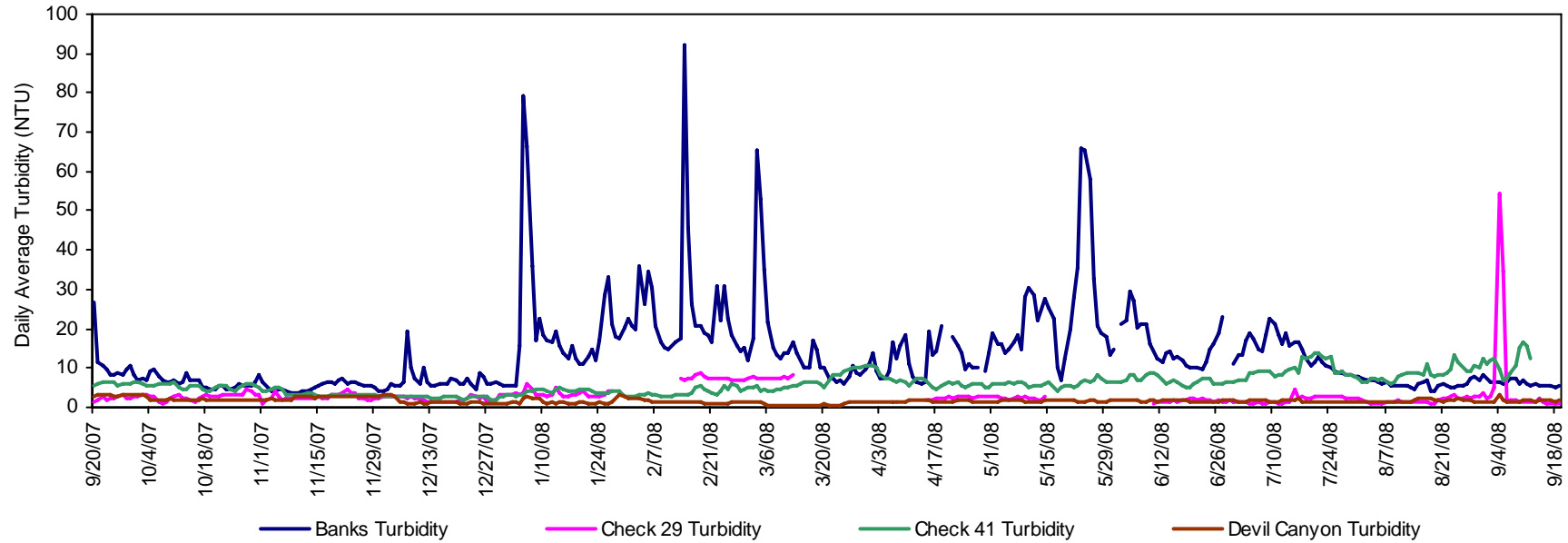
California Aqueduct - Calculated Bromide



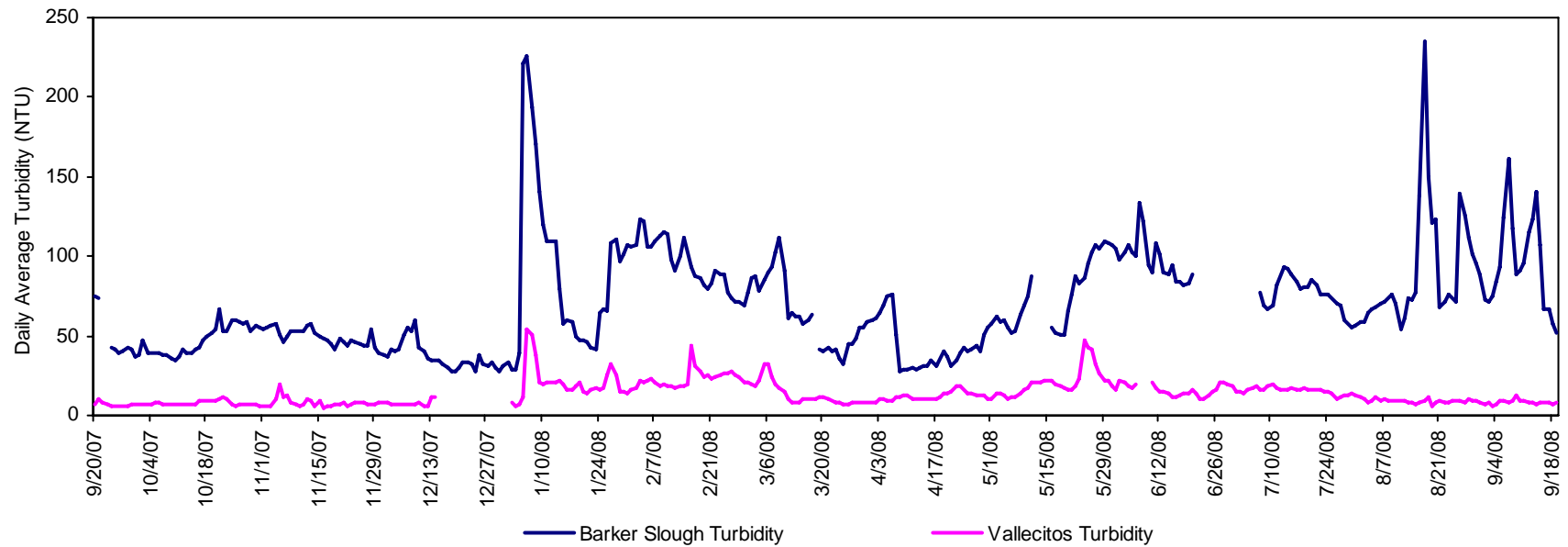
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

